

# Paul-Damian Tudorache

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## Employment History

- aug 2019 – nov 2021 **Communications Engineer**, Ministry of National Defence.
- sep 2022 – dec 2022 **Research Assistant**, Institute of Space Science.
- jul 2024 – sep 2024 **Research Assistant**, Horia Hulubei National Institute for Research and Development in Physics and Nuclear Engineering.
- nov 2024 – **Research Assistant**, Horia Hulubei National Institute for Research and Development in Physics and Nuclear Engineering.

## Education

- 2015 – 2019 **B.Sc., Military Technical Academy** Communications Engineering.  
Thesis title: *The investigation of compromising electromagnetic emissions generated by communications and informatics systems*
- 2017 – 2020 **B.Sc. University of Bucharest, Faculty of Physics** in Physics.  
Thesis title: *Introduction to quantum teleportation*
- 2022 – 2024 **M.Sc. University of Bucharest, Faculty of Physics** in Theoretical Physics.  
Thesis title: *Introduction to Hamiltonian General Relativity*
- 2024– **PhD. University of Bucharest, Faculty of Physics** in Theoretical Physics.  
Thesis title: *Selection criteria and consistency conditions in general-relativistic models of classical and quantum cosmology*

## Skills

- Languages **Strong reading, writing and speaking competencies for English, IELTS certified 8/9.**
- Coding **C++, MATLAB.**
- Misc. **Academic research, tutoring.**

## Miscellaneous Experience

- 2017 **National stage participation**, National Mathematics Contest for Engineering Students "Traian Lalescu".
- 2019 **Second place**, General Physics Contest for Engineering Students "Ion I. Agarbiceanu".
- 2024 **Internship** on Fundamentals of Homotopy Theory  
**Member of the Trans-Carpathian Student Circle on Mathematical Physics**